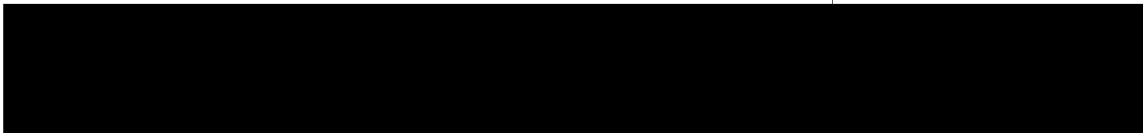


Declass Review by NIMA / DoD

June 29, 1964

PHOTO INTERPRETER'S SLIDE RULE

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The new photo interpreter's slide rule designed by
is being produced by

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There is one scale for which must make a special calculation and they expect to do this in July. The other scales can be taken from their standard log cycle rulings. makes a ruling proof on Velox, and it will be about 60 days to availability. will supply proofs to and we can get copies from him about September 1.

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showed us through their plant. They use a special aluminum alloy for their rules which he says is to their own specification, but I suspect it is standard aluminum jig plate. They receive the 1/10-in. thick aluminum in 12 in. by 12 in. plates. The plates are jig drilled with locating holes, then cleaned and spray painted with a special plastic enamel which is extremely hard and tough. claimed it was almost impossible to get off. The scales are then printed on the plates. The process is an industrial secret. The printed plates are coated with a transparent plastic varnish to protect the scales. The next step is to cut the plates up into individual rules and mill the tongue and groove in the edges. A series of deburring, assembly, and lubricating operations produce a finished rule. Their inspection is quite rigid and meticulous and the reject rate runs over 10%. The sliding and stationary parts of the rule are kept together as a matched set all through the production process.

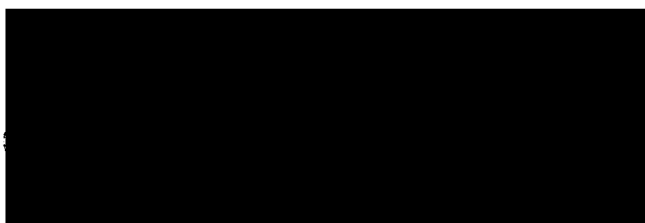
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Their standard precision aluminum rule sells for \$28.50. The new special photo interpreter's slide rule will be the same size and will sell for about \$30 to \$35.

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